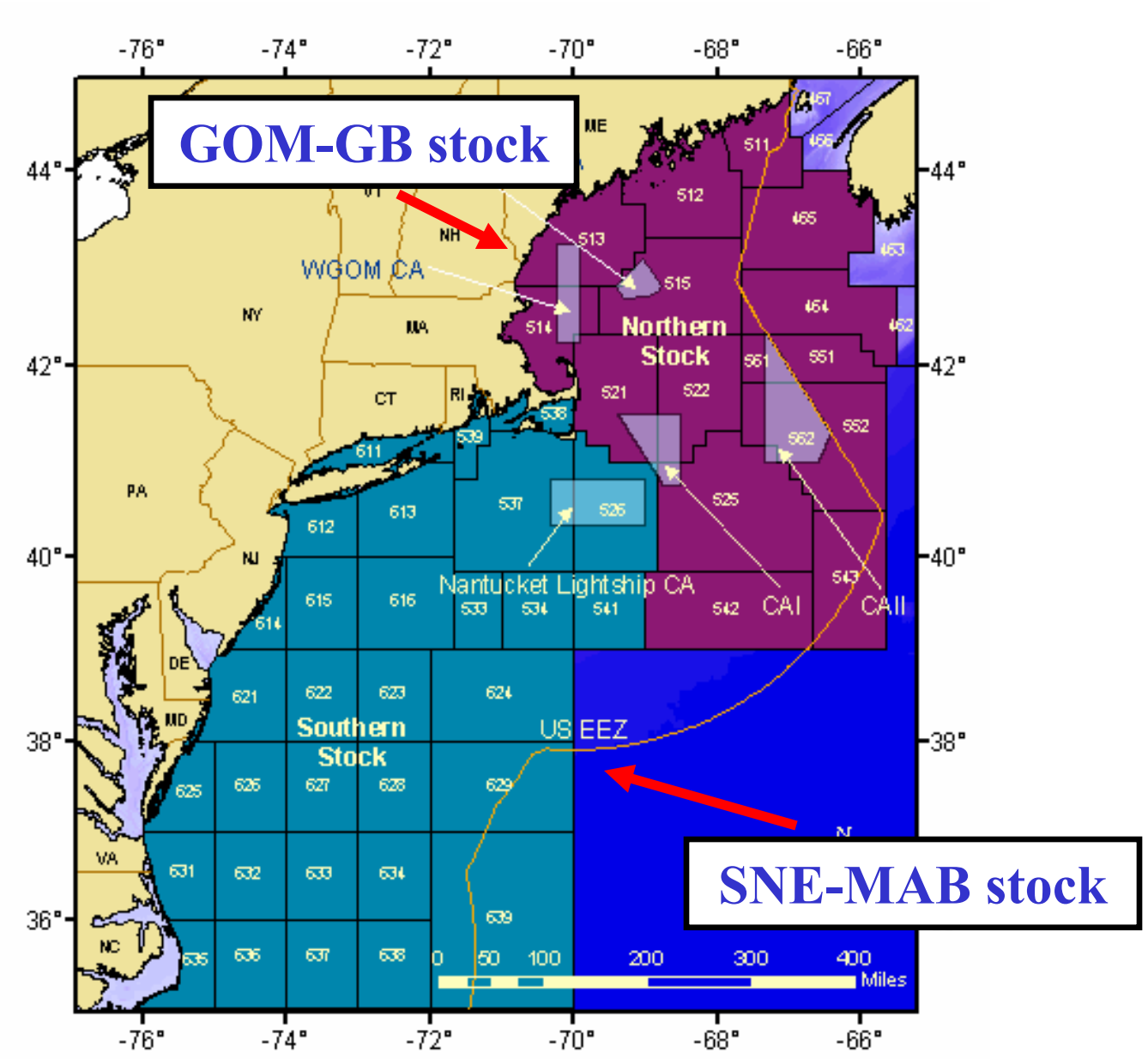
P. GOM-GB Windowpane Flounder


GOM-GB stock
SNE-MAB stock
WGOM CA
Northern Stock
Southern Stock
Nantucket Lightship CA
CAI
CAII
US EEZ
-76°
-74°
-72°
-70°
-68°
-66°
44°
42°
40°
38°
36°
ME
NH
MA
RI
CT
NY
PA
NJ
DE
MD
VA
NC
0 50 100 200 300 400
Miles

Data Available for Assessments

Fishery Data (GOM-GB)

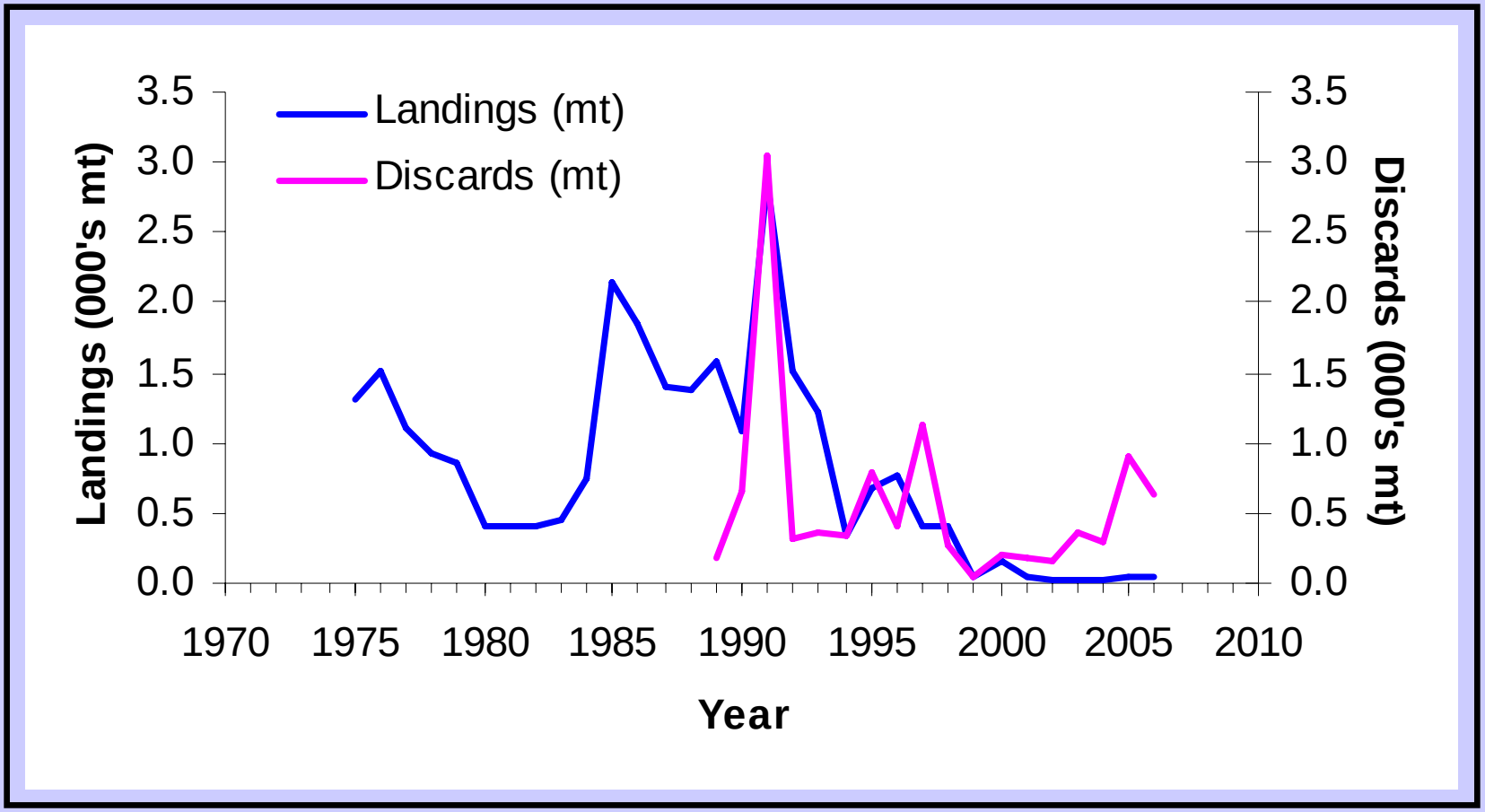
Landings, 1975-2006 (primarily bycatch since 1997)

Discards, 1989-2006 (3 fleets, initial est.)

- OT, lg mesh (≥ 5.5 in.)
- OT, sm mesh groundfish (< 5.5 in.)
- Scallop dredge, limited permit category

Fishery length comp. but no age data

Landings (1975-2006) and Discards (1989-2006)



GOM-GB Windowpane

Data Available for Assessments

Survey Data

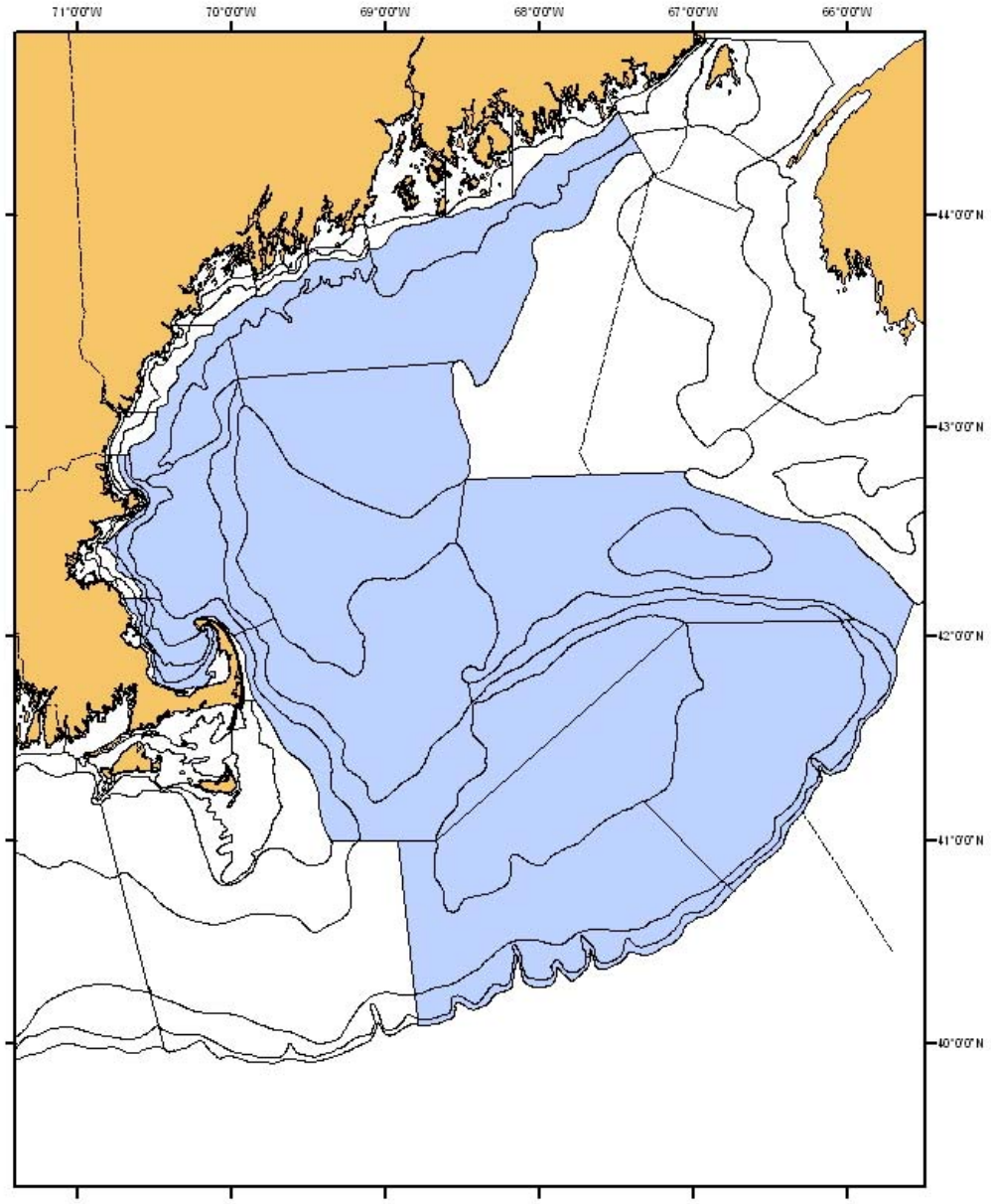
Relative abundance and biomass

NEFSC fall, 1975-2007

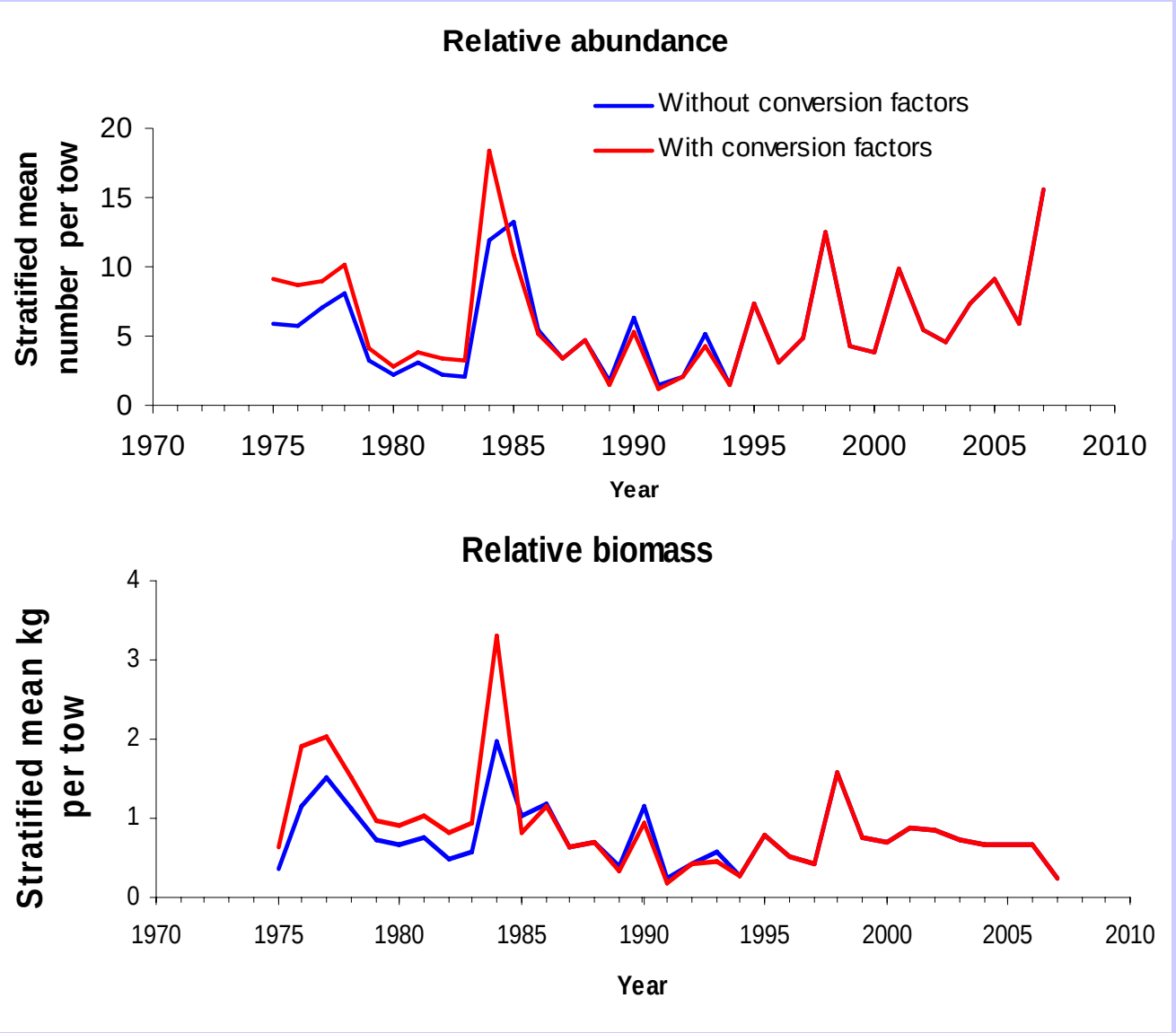
Length data, 1992-2007

Age data for fall 1999 only

NEFSC survey strata set



NEFSC Fall Survey Indices



In 2004, the stock was not overfished and overfishing was not occurring

Current Assessment Model (fallback)

Index-based, projections using ASPIC

Weaknesses

- no absolute estimates of F and B
- no incorporation of size comp. data

Strengths

- linkage to ref. pts. (survey-based proxies of F_{MSY} and B_{MSY})

Proposed Model

Collie-Sissenwine Analysis, 1975-2007

Allows est. of F, Z, and abund. of pre-recr. and recr.

Q. SNE-MAB Windowpane Flounder

Data Available for Assessments

Fishery Data (SNE-MAB)

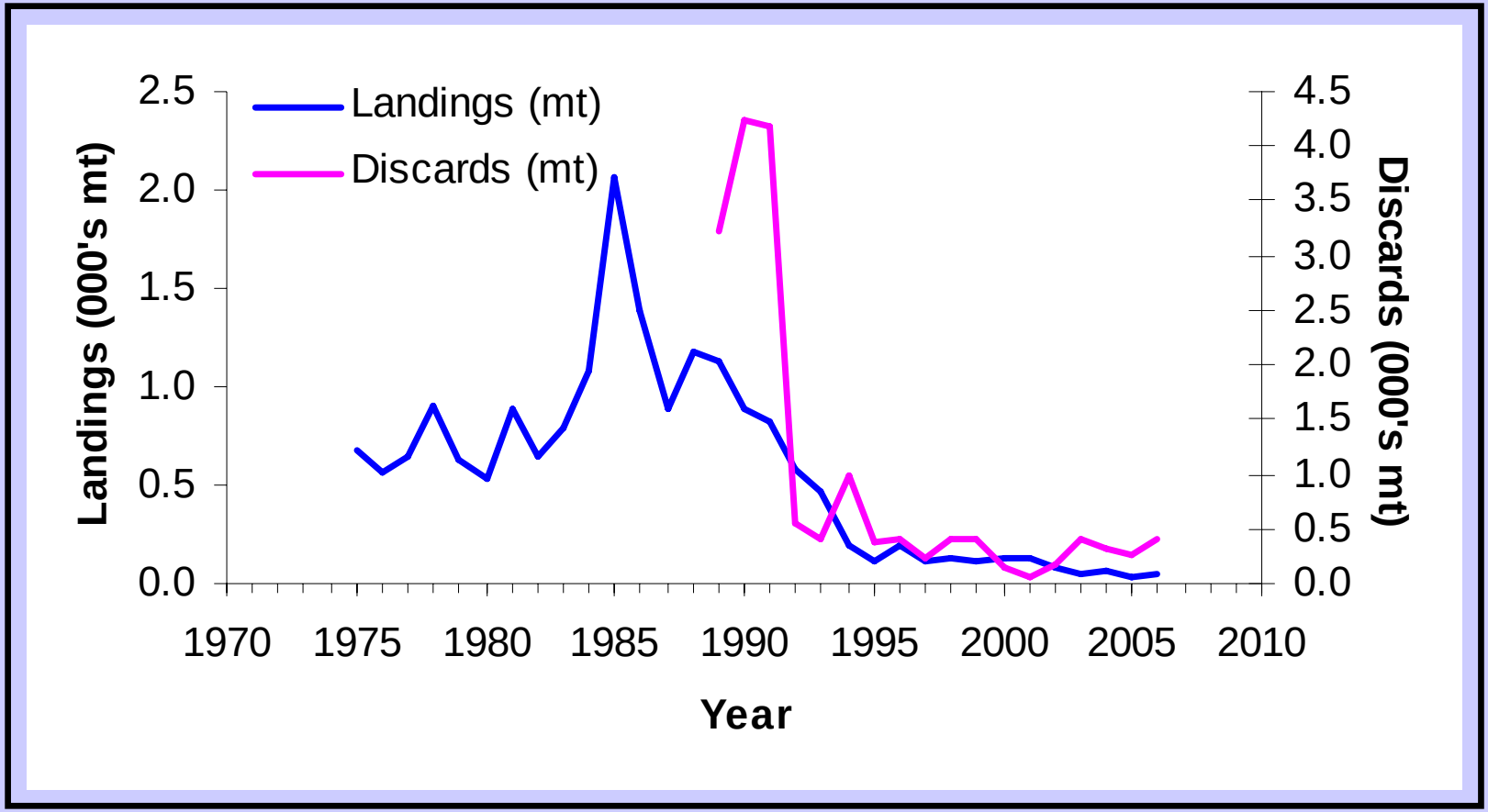
Landings, 1975-2006 (primarily bycatch since 1997)

Discards, 1989-2006 (3 fleets, initial est.)

- OT, lg mesh (≥ 5.5 in.)
- OT, sm mesh groundfish (< 5.5 in.)
- Scallop dredge, limited permit category

Fishery length comp. but no age data

Landings (1975-2006) and Discards (1989-2006)



SNE-MAB Windowpane

Data Available for Assessments

Survey Data

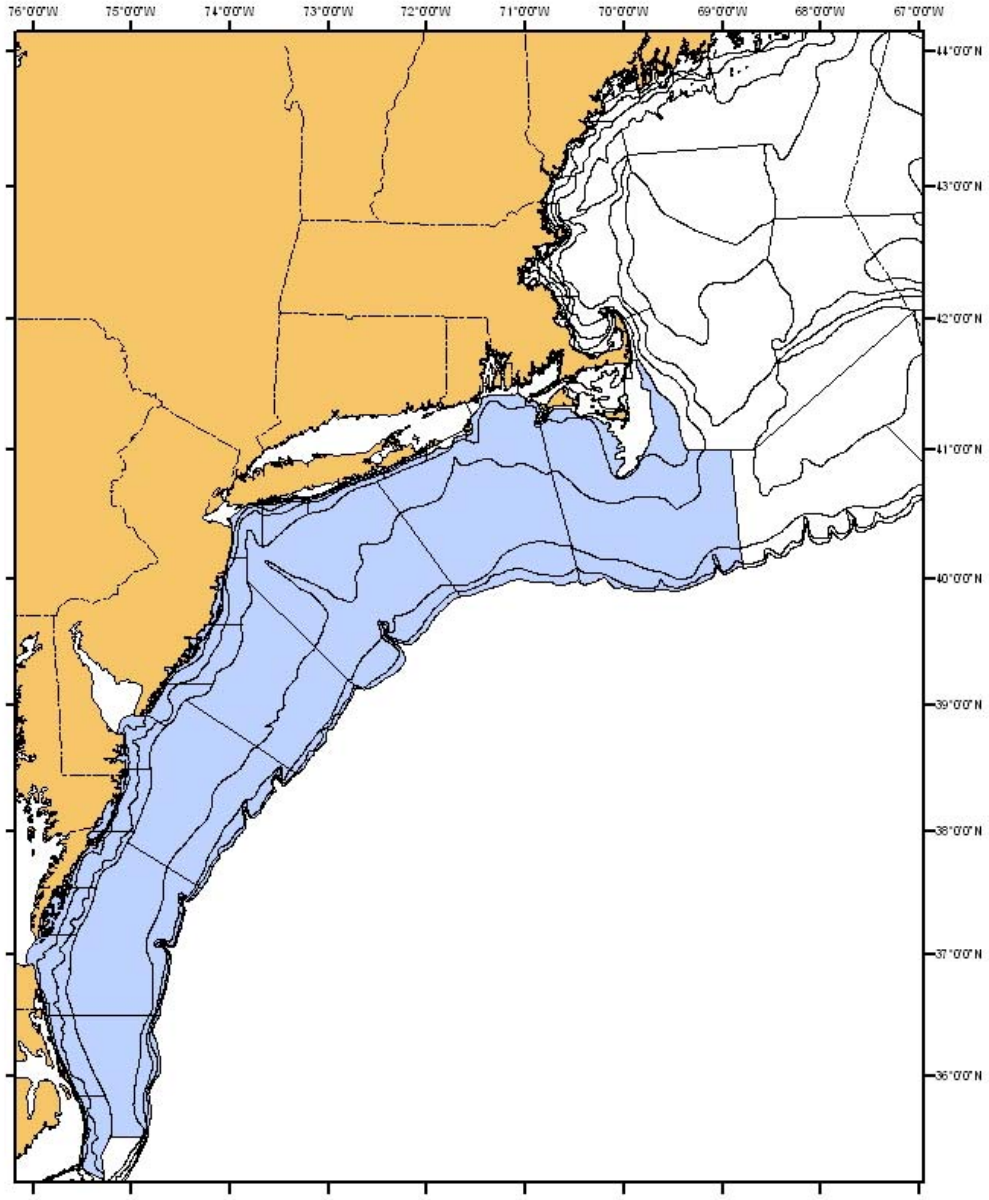
Relative abundance and biomass

NEFSC fall, 1975-2007

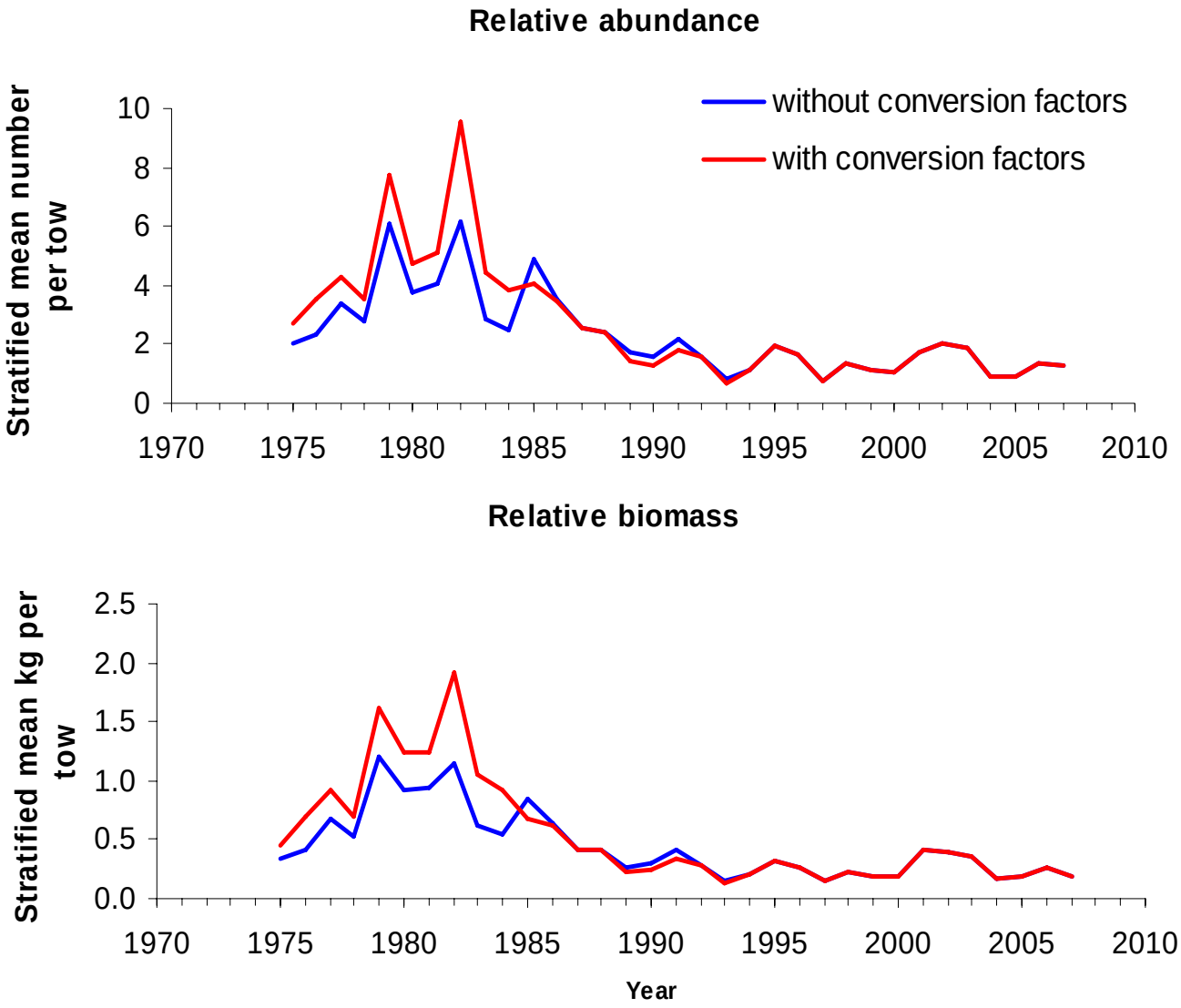
Length data, 1992-2007

Age data for fall 1999 only

NEFSC survey strata set



NEFSC Fall Survey Indices



In 2004, the stock was overfished but overfishing was not occurring

Current Assessment Model (fallback)

Index-based, projections using ASPIC

Weaknesses

- no absolute estimates of F and B
- no incorporation of size comp. data

Strengths

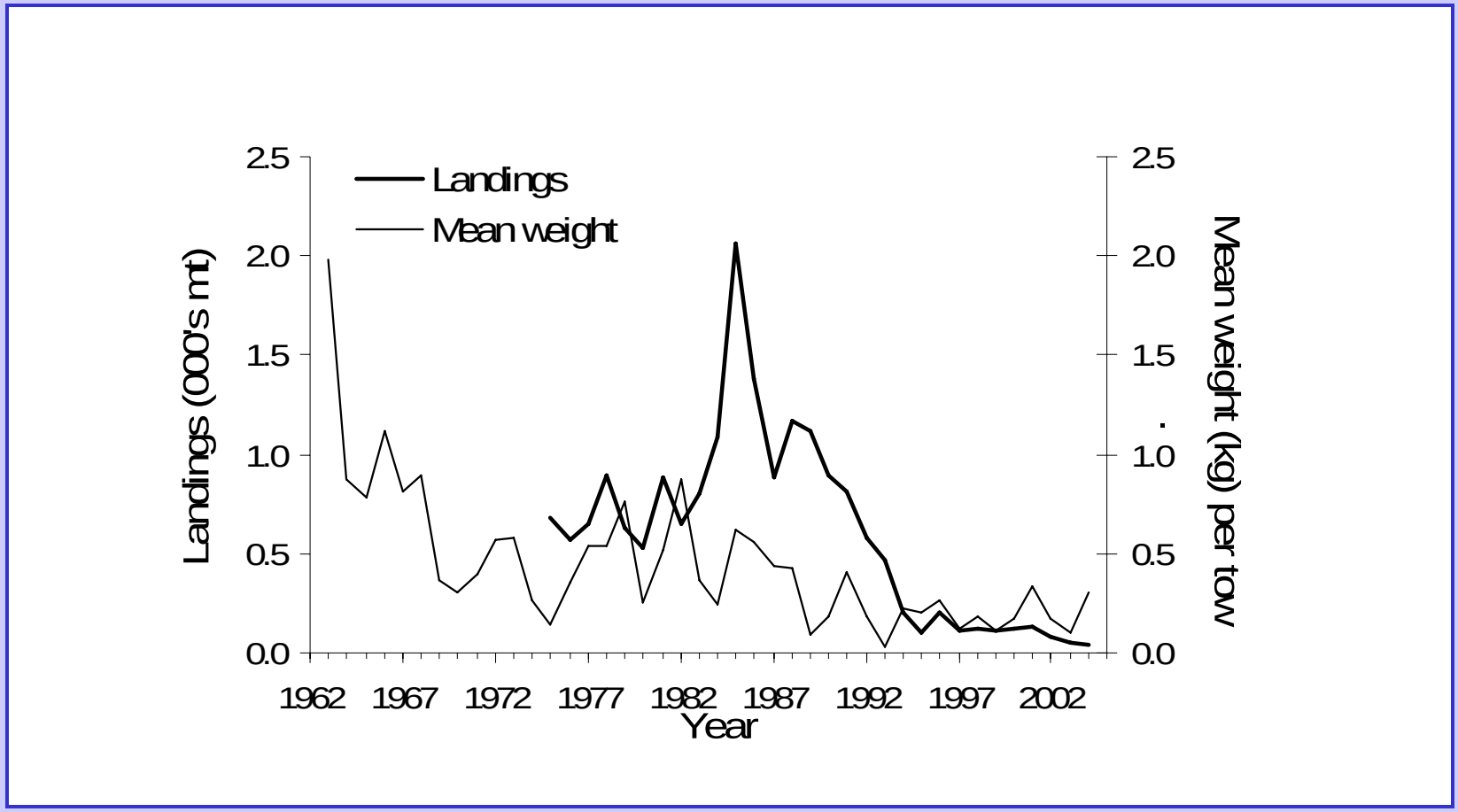
- linkage to ref. pts. (survey-based proxies of F_{MSY} and B_{MSY})

Proposed Model

Collie-Sissenwine Analysis, 1975-2007

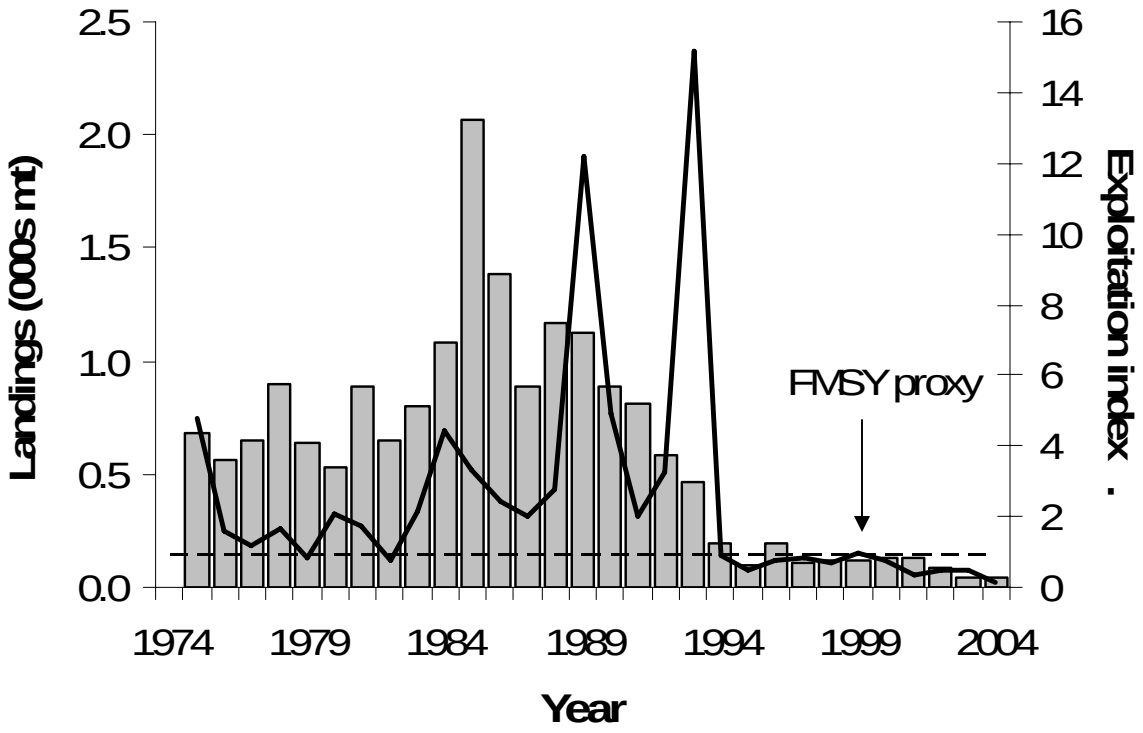
Allows est. of F, Z, and abund. of pre-recr. and recr.

Landings and Autumn Biomass Indices



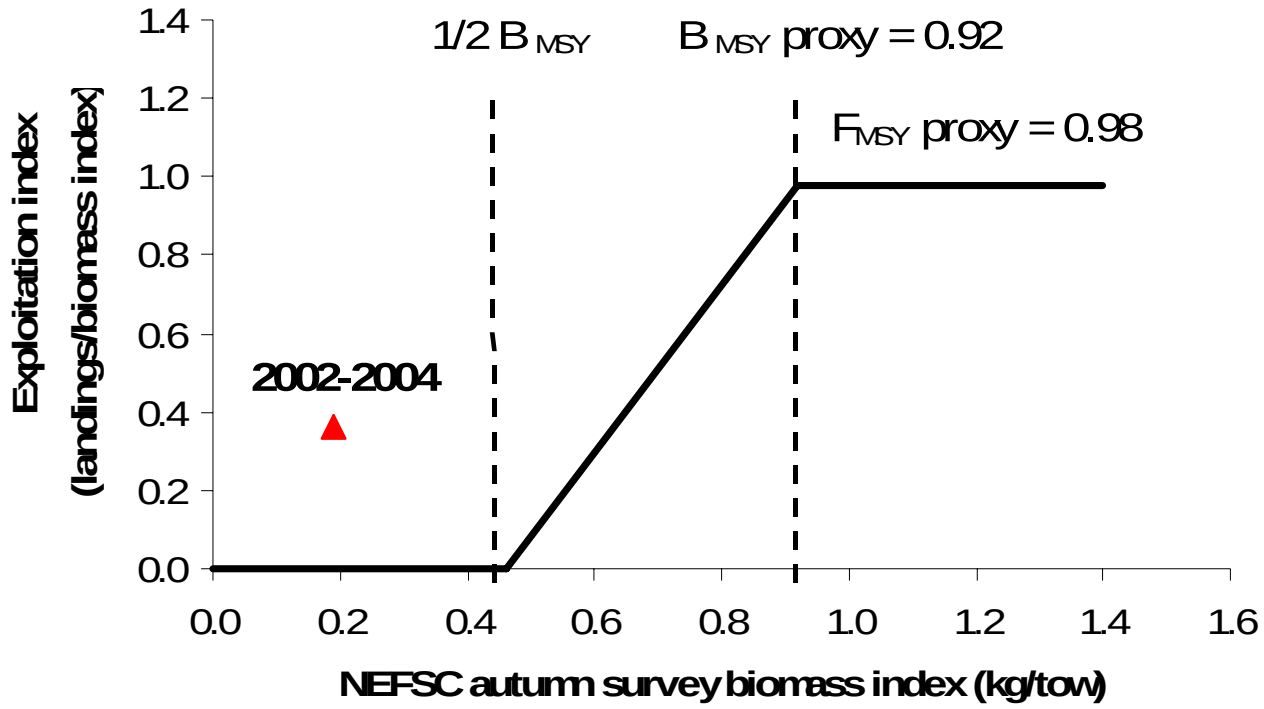
Landings decline from 1985 peak of 2,100 mt to lowest level on record (44 mt) in 2004, biomass index highly var., 1994-2004 stable at very low levels

Relative Exploitation Indices (catch/autumn survey biomass)



Sharp decline after 1993 peak then at or below FMSY during 1994-2004

2004 Stock Status



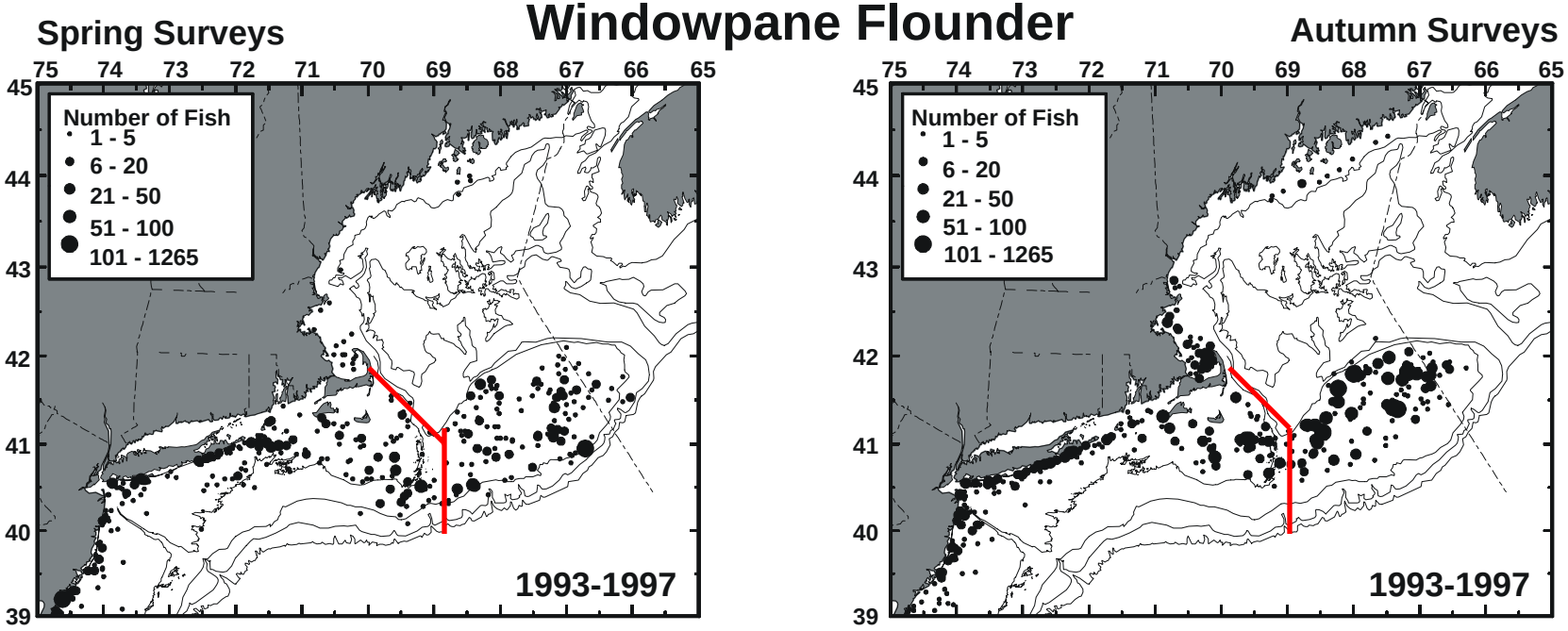
2002-2004 mean B index = 0.19, mean exploit rate = 0.37

Overfished but overfishing was not occurring

Sources of Uncertainty

1. Stock structure
2. Lack of discard estimates
3. Proration of landings using Vessel Trip Reports since 1994, may include some GB landings
4. Inshore strata not included in BRP calcs so not included in biomass indices

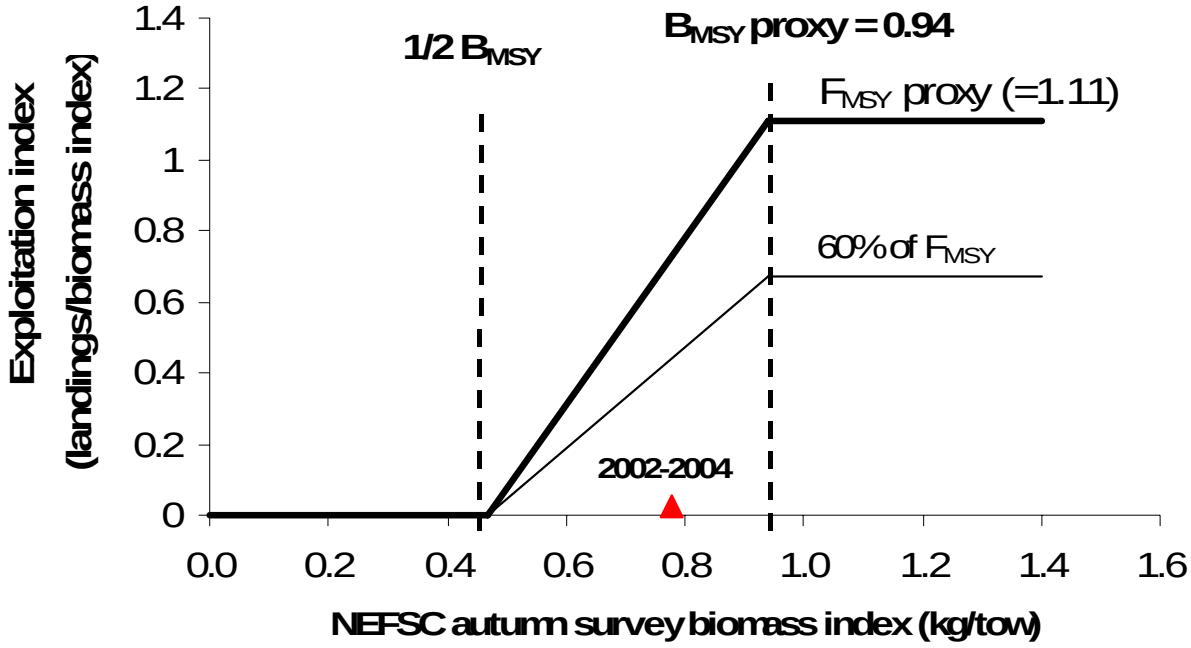
Windowpane Flounder



Assessed as two stocks (GOM-GB and SNE-MAB) based on differences in growth, maturity and abundance trends

GOM-GB windowpane

2004 Stock Status



2002-2004 mean B index = 0.78, mean exploit rate = 0.02

Not overfished and overfishing not occurring